Kansas Corporation Commission OIL & GAS CONSERVATION DIVISION

Form ACO-1 August 2013 Form must be Typed Form must be Signed All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #			API No. 15
Name:			Spot Description:
Address 1:			Sec TwpS. R
Address 2:			Feet from North / South Line of Section
City: Sta	ate: Zi	p:+	Feet from East / West Line of Section
Contact Person:			Footages Calculated from Nearest Outside Section Corner:
Phone: ()			□ NE □ NW □ SE □ SW
CONTRACTOR: License #			GPS Location: Lat:, Long:
Name:			(e.g. xx.xxxxx) (e.gxxx.xxxxx)
Wellsite Geologist:			Datum: NAD27 NAD83 WGS84
Purchaser:			County:
Designate Type of Completion:			Lease Name: Well #:
New Well Re-l	Entry	Workover	Field Name:
			Producing Formation:
☐ Oil ☐ WSW ☐ D&A	☐ SWD	∐ SIOW □ SIGW	Elevation: Ground: Kelly Bushing:
☐ Gas ☐ D&A ☐ OG	GSW	Temp. Abd.	Total Vertical Depth: Plug Back Total Depth:
CM (Coal Bed Methane)	d3vv	remp. Abu.	Amount of Surface Pipe Set and Cemented at: Fee
Cathodic Other (Core,	. Expl., etc.);		Multiple Stage Cementing Collar Used? Yes No
If Workover/Re-entry: Old Well Info			If yes, show depth set: Feet
Operator:			If Alternate II completion, cement circulated from:
Well Name:			feet depth to:w/sx cmt
Original Comp. Date:			·
Deepening Re-perf.	Conv. to E	NHR Conv. to SWD	Drilling Fluid Management Plan
☐ Plug Back	Conv. to G	SW Conv. to Producer	(Data must be collected from the Reserve Pit)
O constituents at	D		Chloride content: ppm Fluid volume: bbls
CommingledDual Completion			Dewatering method used:
SWD			Location of fluid disposal if hauled offsite:
☐ ENHR			Location of hala disposal in fladica offsite.
☐ GSW			Operator Name:
_			Lease Name: License #:
Spud Date or Date Read	ched TD	Completion Date or	QuarterSecTwpS. R East Wes
Recompletion Date		Recompletion Date	County: Permit #:

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

Confidentiality Requested:

Yes No

KCC Office Use ONLY
Confidentiality Requested
Date:
Confidential Release Date:
Wireline Log Received
Geologist Report Received
UIC Distribution
ALT I II III Approved by: Date:

Operator Name:			Lease Name:			Well #:	
Sec Twp	S. R	East West	County:				
open and closed, flow and flow rates if gas t Final Radioactivity Lo	ring and shut-in pressul o surface test, along wi g, Final Logs run to obt	rmations penetrated. D res, whether shut-in pre th final chart(s). Attach tain Geophysical Data a r newer AND an image f	ssure reached stati extra sheet if more and Final Electric Lo	c level, hydrosta space is needed	tic pressures, bott d.	om hole tempe	erature, fluid recovery,
Drill Stem Tests Taker (Attach Additional		Yes No	L	og Formatic	on (Top), Depth ar	nd Datum	Sample
Samples Sent to Geo	logical Survey	☐ Yes ☐ No	Nam	е		Тор	Datum
Cores Taken Electric Log Run		Yes No					
List All E. Logs Run:							
		CASING	RECORD Ne	w Used			
		Report all strings set-o			on, etc.		
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Purpose:	Depth		CEMENTING / SQL	EEZE RECORD			
Purpose. Perforate Protect Casing Plug Back TD Plug Off Zone	Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives			
Flug Oli Zolle							
Did you perform a hydraulic fracturing treatment on this well? Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No (If No, skip questions 2 and 3) (If No, skip question 3) (If No, fill out Page Three of the ACO-1)							
Shots Per Foot		N RECORD - Bridge Plug otage of Each Interval Perf			cture, Shot, Cement		d Depth
	- Francisco			,			
TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run:	Yes No		1
Date of First, Resumed	Production, SWD or ENH	R. Producing Meth		Gas Lift C	other (Explain)		
Estimated Production Per 24 Hours	Oil Bt	ols. Gas	Mcf Wate	er Bi	ols. G	as-Oil Ratio	Gravity
DISPOSITI	ON OF GAS:	N.	METHOD OF COMPLE	TION:		PRODUCTIO	N INTERVAL:
Vented Solo	d Used on Lease	Open Hole		Comp. Con	nmingled mit ACO-4)		
(If vented, Su	bmit ACO-18.)	Other (Specify)					

Form	ACO1 - Well Completion			
Operator	OXY USA Inc.			
Well Name	DRUSSEL E 3			
Doc ID	1170384			

All Electric Logs Run

ARRAY COMPENSATED TRUE RESISTIVITY
BOREHOLE COMPENSATED SONIC ARRAY
MICROLOG
SPECTRAL DENSITY DUAL SPACED NEUTRON

Form	ACO1 - Well Completion			
Operator	OXY USA Inc.			
Well Name	DRUSSEL E 3			
Doc ID	1170384			

Tops

Name	Тор	Datum
HEEBNER	3909	
TORONTO	3925	
LANSING	3959	
KANSAS CITY	4368	
MARMATON	4502	
PAWNEE	4580	
CHEROKEE	4640	
ATOKA	4815	
MORROW	4870	
ST. GENEVIEVE	4977	
ST. LOUIS	5024	

Summary of Changes

Lease Name and Number: DRUSSEL E 3

API/Permit #: 15-055-22239-00-00

Doc ID: 1170384

Correction Number: 1

Approved By: NAOMI JAMES

Field Name	Previous Value	New Value		
Approved Date	11/12/2013	11/26/2013		
Plug Back Total Depth	5139	5239		
Save Link	//kcc/detail/operatorE ditDetail.cfm?docID=11 67591	//kcc/detail/operatorE ditDetail.cfm?docID=11 70384		



CONFIDENTIAL OIL & GAS C

Kansas Corporation Commission Oil & Gas Conservation Division

1167591

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License #	API No. 15
Name:	Spot Description:
Address 1:	SecTwpS. R
Address 2:	Feet from North / South Line of Section
City:	Feet from East / West Line of Section
Contact Person:	Footages Calculated from Nearest Outside Section Corner:
Phone: ()	□NE □NW □SE □SW
CONTRACTOR: License #	County:
Name:	Lease Name: Well #:
Wellsite Geologist:	Field Name:
Purchaser:	Producing Formation:
Designate Type of Completion:	Elevation: Ground: Kelly Bushing:
New Well Re-Entry Workover	Total Depth: Plug Back Total Depth:
Oil WSW SWD SIOW Gas D&A ENHR SIGW OG GSW Temp. Abd. CM (Coal Bed Methane) Cathodic Other (Core, Expl., etc.): If Workover/Re-entry: Old Well Info as follows:	Amount of Surface Pipe Set and Cemented at: Feet Multiple Stage Cementing Collar Used?
Operator:	Drilling Fluid Management Plan
Well Name:	(Data must be collected from the Reserve Pit)
Original Comp. Date: Original Total Depth: Deepening Re-perf. Conv. to ENHR Conv. to SWD Conv. to GSW	Chloride content: ppm Fluid volume: bbls Dewatering method used:
Plug Back: Plug Back Total Depth	Location of fluid disposal if hauled offsite:
Commingled Permit #:	Operator Name:
Dual Completion Permit #:	Lease Name: License #:
SWD Permit #:	Quarter Sec TwpS. R
■ ENHR Permit #: ■ GSW Permit #:	County: Permit #:
Spud Date or Date Reached TD Completion Date or Recompletion Date Recompletion Date	

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY				
Letter of Confidentiality Received				
Date:				
Confidential Release Date:				
Wireline Log Received				
Geologist Report Received				
UIC Distribution				
ALT I II Approved by: Date:				

KOLAR Document ID: 1167591

Page Two

Operator Name: _				Lease Name:			Well #:	
Sec Twp.	S. R.	E	ast West	County:				
	flowing and shu	ut-in pressures, v	vhether shut-in pre	ssure reached st	atic level, hydrosta	tic pressures, bot		val tested, time tool erature, fluid recovery,
Final Radioactivity files must be subm						iled to kcc-well-lo	gs@kcc.ks.gov	v. Digital electronic log
Drill Stem Tests Ta			Yes No			on (Top), Depth ar		Sample
Samples Sent to 0	Geological Surv	/ey	Yes No	Na	me		Тор	Datum
Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru	_		Yes No Yes No Yes No					
		B	CASING eport all strings set-c		New Used	ion, etc.		
Purpose of Strir		Hole illed	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
			ADDITIONAL	CEMENTING / SO	UEEZE RECORD			
Purpose:		epth T Bottom	ype of Cement	# Sacks Used		Type and F	Percent Additives	
Perforate Protect Casi Plug Back T								
Plug Off Zor								
Did you perform a Does the volume Was the hydraulic	of the total base f	fluid of the hydrauli		_	=	No (If No, sk	ip questions 2 an ip question 3) out Page Three	,
Date of first Product Injection:	tion/Injection or R	esumed Production	Producing Meth	nod:	Gas Lift 0	Other (Explain)		
Estimated Production Per 24 Hours	on	Oil Bbls.					Gas-Oil Ratio	Gravity
			DN INTERVAL: Bottom					
	Sold Used	I on Lease	Open Hole			mmingled mit ACO-4)	Тор	BOROTT
,	,			B.11 B1				
Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid,	Fracture, Shot, Cer (Amount and Kind	menting Squeeze I of Material Used)	Record
TUBING RECORD:	: Size:	Set	Δ+-	Packer At:				
TODING RECORD:	. 3126.	Set	n.	i donei Al.				

Form	ACO1 - Well Completion			
Operator	OXY USA Inc.			
Well Name	DRUSSEL E 3			
Doc ID	1167591			

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MICROLOG
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Form	ACO1 - Well Completion
Operator	OXY USA Inc.
Well Name	DRUSSEL E 3
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Tops

Name	Тор	Datum
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ST. GENEVIEVE	4977	
ST. LOUIS	5024	

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Well Name	DRUSSEL E 3
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Perforations

Shots Per Foot	Perforation Record	Material Record	Depth
4	5030-5034 ST. LOUIS	800 GAL 15% HCL FLUSH 21 BBL 2% KCL	5030-5034
4	4582-4590 PAWNEE	800 GAL 15% HCL FLUSH 19 BBL 2% KCL	4582-4590
	CIBP @ 4575		4575
4	4522-4527, 4534- 4538 MARMATON	32 BBL 15% HCL FLUSH 17 BBL 2% KCL	4522-4538

Form	ACO1 - Well Completion
Operator	OXY USA Inc.
Well Name	DRUSSEL E 3
Doc ID	1167591

Casing

Purpose Of String	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Type Of Cement	Type and Percent Additives
SURFACE	12.25	8.625	24	1648	A- CON/PRE M +	SEE ATTACH ED
PRODUC TION	7.875	5.5	17	5280	50-50 POZ	SEE ATTACH ED

ALLIED OIL & GAS SERVICES, LLC 052007 Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31				SERVICE POINT:			
RUSS	ELL, KANSAS 6	7665			_ Ciber	alks	
	SEC. TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH	
DATE 9-27-13	36 25	5 33 W	CALLED OUT	a: Doin	108 START	(O:COPM	
Drussel E	WELL# 3	LOCATION LAS O	and City		COUNTY	STATE	
	1	LOCATION VEC (Jaroen City		Finney	L hS	
OLD OR VEW (Ci	rcle one)				_		
CONTRACTOR			OWNER				
	Surface		OWNER				
		CD. 1648	CEMENT	,	2% ava Seal	20% Soduim Metas	
	251	DEPTH 1683.19		RDERED 350	Nulti-Deas	Class C	
TUBING SIZE	~	DEPTH	39/occ 12	1% SA-SI 1/4#	flosos	0. 1050	
DRILL PIPE		DEPTH	2455x C	lass C 29/occ	14# Klos	Seal	
TOOL		DEPTH	_				
PRES. MAX		MINIMUM	COMMON_				
MEAS. LINE		SHOE JOINT 41.15	POZMIX _		@	-	
CEMENT LEFT IN	I CSG.		GEL _		@		
PERFS.	100 7		_ CHLORIDE	1Bsk	@ 64.00	1152.00	
DISPLACEMENT	102:6	3	_ ASC	14 1 0 5 1	_@	30	
	EQUIPMEN	NT .	Class C		(@ 24.40	5978.00	
			SA-51	(e6#	_@17.5S		
PUMP TRUCK	CEMENTER /	2004 BOOZG	- Floseal	149#	@ 2.97	442.53	
	HELPER Aldo	5 E.	PHIRAITIUITI	Dens ClassC350		10850.00	
BULK TRUCK 5	27节	_	_	-	_@		
#363-5年		nie Di	_		 @		
BULK TRUCK						V	
#	DRIVER		- HANDLING	648.0	@ 2.48	1607.04	
				1472.70	@ 2.60	3829,03	
	REMARK	S:			TOTAL	\$25,016.90	
AP LOCATION/D	1 6100	DO2DNON D02D			TOTAL	10/07	
LEASE/WELL/F/		1		SERVI	CE		
MAXIMO / WSM	#	0	-	3ER VI	CE		
TASK_0/0	02	ELEMENT 3023	DEPTH OF	IOB	2020		
PROJECT #_//	1549 CAP	EX / OPEX - Circle one		CK CHARGE	2213,7	p-	
SPO / BPA	Mark	UNSUPPORTED [_ EXTRA FOO		@	3	
"ED NAME	MARKET	T BOUNE	MILEAGE	20	@ 7.70	385.00	
2.1	1 certify that these Serv	ices/Materials have been received	— MANIFOLD		e 275.a		
			light 161		@ 4.40	220.00	
	o		0		@		
CHARGE TO:	DXY USA						
			_		TOTAL	3093.75	
STREET			_				
CITY	STATE	ZIP	_				
				PLUG & FLOAT	r equipmen	T	
			Guide	shoe!	@ 460 ,9	8 460.98,	
			AFU F	loat Value 1	@ 446.9	9 446.99	
To: Allied Oil &	Gas Services, LI	.C.		lizer 14	@ 74.BA	3 1048.32	
		ementing equipment	5100	coller	@ S6.16	56.16	
		s) to assist owner or	Op Kut	box plug 1	_@_[3 .09	131.04	
		The above work was	3	U		01-10-111	
		on of owner agent or			TOTAL	2143.44	
		stand the "GENERA	L				
TERMS AND CO			(If Any)				
			TOTAL CHA	ARGES \$ 30, 2	154.09		
				MOLO H O			
PRINTED NAME			DISCOUNT	1 4 .0	IF PAI	D IN 30 DAYS	
			γ	et \$ 18,42	0.74		
SIGNATURE				10710			

ALLIED OIL & GAS SERVICES, LLC 052293 Federal Tax I.D.# 20-5975804

REMIT TO	P.O. BOX 31 RUSSELL, KANSAS 67665

REMIT TO P.O. B		NC AC CTC	/ F		SER	VICE POINT:	
KU33	ELL, KA	NSAS 676	65			Liber	al Ks.
DATE 10-02-13	SEC.	TWP.	RANGE 33 W	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
)russel LEASE	WELL#	6-3	LOCATION 9.1.1	te N to Parally	01.1.1100	COUNTY	STATE
OLD OR NEW (Cir			N.3M E	i i	Ka, W 1.8M	Finney	ITS
	٨			la to.			
CONTRACTOR	Aztec	TF 5	07	OWNER	ONY USA	INC	
TYPE OF JOB	ing s	-					
HOLE SIZE 77/8		T.D		CEMENT	0		11
CASING SIZE 5 ' TUBING SIZE	12 11		PTH 52,83+		ORDERED 275	K 50/50	2,1-1,0
DRILL PIPE			PTH PTH	21.6el	5%. GroSen, 1 HblskF-5, .	0%. Solty	516/5K 6.15-
TOOL			PTH	snite 1	115/5KT-5,	57. 1-160,	22 CD-31
PRES. MAX 2	000		NIMUM	ROMMON	Flosele 68.75/	60997	904 19
MEAS. LINE		SHO	DE JOINT 42 f	4 POZMIX	1 103ELC DU- Z	@	204.1
CEMENT LEFT IN	CSG.	12.71		GEL GUSC	nte 13751	98, 00	1.347 50
PERFS.				CHLORIDE		@	113 11.
DISPLACEMENT	121.	5 BBIS	ie	ASC		@	
	EQU	IPMENT		APBIT- 5	50/5011 275	K@ 16.85	4633.75
		0		NACL (100	13) 16-7 sk		440.05
PUMP TRUCK (CEMENT	ER Kul	en Chave	Z GoSL	23.1	@ 37.60	868,56
	HELPER	Cesar	- Pavia	F1-160 CD-31		@ 18.90	2182,95
BULK TRUCK		Λi	0	SIFL		@ 10 30 @ 58,70	704,40
#562-528 I	DRIVER	Alex	Corona.	3112	1200	_@ <u></u>	_704.40
BULK TRUCK	SPINED					_ @	
<u> </u>	DRIVER			- HANDLING	451,52 Cutt	@2.48	1,119,77
				MILEAGE _	623.53 Ton M	2,60	1.621.18
		MARKS:				TOTAL	13,598.21
AP LOCATION/D	EPT Li	bcap	D02 TINON D02 TI				
LEASE/WELL/FA	c Dru	sse E	3		SERVI	CE	
MAXIMO / WSM #			- 002	-			
TASK 0/0			LEMENT_3023			528	13 ft
	15940		/ OPEX - Circle one		CK CHARGE		5.099.25
SPO / BPA Circle Doc Type PRINTED NAME	Gene	Biller	UNSUPPORTED		OTAGE	_@ 	385.60
SIGNATURE:		en /	Selen	MILEAGE MANIFOLD			275.00
	I corufy that	these Services/h	naterials have been received	- MANIFULD	hicle SOM.	@ H.HO	22000
			*	ocigin De	men oo , n	@	20 240
CHARGE TO: _O	XX D	SA IN	۷.				
						TOTAL	3,979,25
STREET			200				
CITY	ST.	ATE	ZIP		D		
					PLUG & FLOAT	I EQUIPMEN	rr
				10p rubb		0 85.41	85.41
				Stop cal	ler	_@ <u>49-14</u> @280-50	900 60
To: Allied Oil & O				AFIREL	hoe 1	@334.62	280-02
You are hereby re-	•		The state of the s	1 /110-110c	zer 20	@57,33	1 14 60
and furnish cemer				Centran	w 20	<u> </u>	(,1.) 0.
contractor to do w						TOTAL	1.896.57
done to satisfactio						IOIAL	1,010
contractor. I have				CALECTAN	(If Any)		
TERMS AND CO	OFFICIN	NS" listed	on the reverse si	de.	10 1	711 03	53
				TOTAL CHA	ARGES 19, 47	17.	
PRINTED NAME_				DISCOUNT			D IN 30 DAYS
SIGNATURE				11-	= 12,073.	۹۸	
				- NEI	-12,013.	10	

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

November 08, 2013

LAURA BETH HICKERT OXY USA Inc. 5 E GREENWAY PLZ PO BOX 27570 HOUSTON, TX 77227-7570

Re: ACO1 API 15-055-22239-00-00 DRUSSEL E 3 SW/4 Sec.36-25S-33W Finney County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, LAURA BETH HICKERT